

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Rick Shewekah

GENERAL INFORMATION:

Name:	Closet Factory
Address:	110 Citizens Blvd. Simpsonville, KY 40067
Date application received:	10/28/2004
SIC Code/SIC description:	2511, Wood Household Furniture, Except Upholstered (wood box spring frames(parts))
Source ID:	21-211-00046
Source A.I. #:	54821
Activity ID:	APE20070002
Permit:	V-07-030

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)	Allowable (tpy)
PM/PM ₁₀	*	103.68	NA
VOC	*	232 .01	< 90
Single HAPs	*	Xylene – 87.32	< 5
Source wide HAPs >22.5	*	182.14	< 12.5

*This is a new source; actual emissions have not yet been quantified.

SOURCE DESCRIPTION:

Closet Factory has been in operation since 2004. The facility consists of woodworking operations (EP02) and spray coating of flat wood panels (EP01) to be installed in homes as custom closets. Pollutant emissions from these activities include volatile organic compounds (VOC), organic hazardous air pollutants (HAPs) from the coating operations, and particulate matter (PM/PM₁₀) from woodworking and overspray during surface coating.

An application for a Conditional Major (CM) operating permit, under 401 KAR 52:030, *Federally-enforceable Permits for Nonmajor Sources*, was received on October 28, 2004. A second application was received on April 16, 2007 requesting a Registration be issued to the source, under 401 KAR 52:070, *Registration of Designated Sources*, instead of a CM permit. The potential to emit of volatile organic compounds (VOC) is greater than one-hundred (100) tons per year; and the potential to emit of single and combined hazardous air pollutants (HAPs) is greater than ten (10) and twenty-five (25) tons per year, respectively. As such, this permit is not issued as a Registration, or a Conditional Major, but as an initial Title V permit pursuant to 401 KAR 52:020, *Title V permits*.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

- a. In accordance with 40 CFR 63.800(b), to qualify this source as an area source of HAP emissions for the purposes of 40 CFR 63, Subpart JJ and preclude any other provisions of 40 CFR 63, Subpart JJ, *National Emission Standards for Wood Furniture Manufacturing Operations*, the permittee shall comply with 40 CFR 63.800(b)(3) and restrict the total annual source-wide emissions as follows:
 1. Emissions of any single hazardous air pollutants (HAP) shall not exceed 5 tons per twelve (12) consecutive month basis;
 2. Emissions of combined hazardous air pollutant (HAPs) shall not exceed 12.5 tons per twelve (12) consecutive month basis; and
 3. At least ninety (90) percent of the plantwide emissions per twelve (12) consecutive month basis are associated with the manufacture of wood furniture or wood furniture components.
- b. To preclude the applicability of 401 KAR 50:012, *General Application of Administrative Regulations and Standards*, and 401 KAR 59:214, *New Factory Surface Coating Operations of Flat Wood Paneling*, the total annual source-wide emissions of volatile organic compounds (VOC) shall not exceed 90 tons per twelve (12) consecutive month basis.